Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2021-08-26-43** **Date: 18-06-21**
Project Name	:	"Development of Roads and Drains at Venkatala and Venkatala Janatha Colony in Ward No 01 of Yelahanka Sub Division"
Agency	:	B P Mahesh, M/s Sri Sai Manjunatha Enterprises, #58, B P Linganna Building, Chandramowleshwara Layout, Hunasamaranahalli, Bangalore 562157
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-09/W.O/18/2021-22
Date of Receipt	:	15-06-21
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	16-06-21
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.53	–
2	Finess by Air permeablity method (m^2/kg,Min)	298.3	225m^2/kg, Min
3	Density (gm/cc)	3.13	–
4	Standard Consistency (%)	29.5%	Not specified
5	Initial Setting time	165 minutes	Not less than 30 minutes
6	Final Setting time	250 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

K KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST RESULTS OF STEEL

D	:	CP-2021-08-26-43 **Date: 16-06-21**
ct Name	:	"Development of Roads and Drains at Venkatala and Venkatala Janatha Colony in Ward No 01 of Yelahanka Sub Division"
cy	:	B P Mahesh, M/s Sri Sai Manjunatha Enterprises, #58, B P Linganna Building, Chandramowleshwara Layout, Hunasamaranahalli, Bangalore 562157
omer's Reference	:	BBMP/EE/YNK.D/EPMT-09/W.O/18/2021-22
of Receipt	:	15-06-21
le Type	:	Sunvik
ence to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
of test:	:	15-06-21

Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
		(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory
Sunvik	Fe500	16	1.581	572	674	19.0%	Satisfactory	Satisfactory

results obtained are satisfactory as per standard requirements.

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Authorized Signatory
Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2021-08-26-43 **Date: 21/07/2021**

Name : "Development of Roads and Drains at Venkatala and Venkatala Janatha Colony in Ward No 01 of Yelahanka Sub Division"

: B P Mahesh, M/s Sri Sai Manjunatha Enterprises, #58, B P Linganna Building, Chandramowleshwara Layout, Hunasamaranahalli, Bangalore 562157

er's Reference : BBMP/EE/YNK.D/EPMT-09/W.O/18/2021-22

Receipt : 16-07-21

er ID : PCC for Kerb (Canadian School Road)

Type /Size : 150X150X150 mm

grade/Age : M15 / 7 Days Compressive Strength

ce to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

test : 21/07/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
PCC for Kerb	M15	14/07/2021	21/07/2021	150.87 X 150.91 X 150.63	22769	8.399	286.0	12.6	12.5
PCC for Kerb	M15	14/07/2021	21/07/2021	150.87 X 149.01 X 151.65	22482	8.173	286.0	12.7	
PCC for Kerb	M15	14/07/2021	21/07/2021	151.06 X 151.22 X 151.49	22844	8.836	279.1	12.2	

sults obtained are satisfactory as per standard requirements.

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

)	:	CP-2021-08-26-43 **Date: 05/08/2021**
t Name	:	"Development of Roads and Drains at Venkatala and Venkatala Janatha Colony in Ward No 01 of Yelahanka Sub Division"
y	:	B P Mahesh, M/s Sri Sai Manjunatha Enterprises, #58, B P Linganna Building, Chandramowleshwara Layout, Hunasamaranahalli, Bangalore 562157
ner's Reference	:	BBMP/EE/YNK.D/EPMT-09/W.O/18/2021-22
f Receipt	:	10-07-21
ner ID	:	Culvert Side Wall Concrete (2nd Main Road)
e Type /Size	:	150X150X150 mm
e grade/Age	:	M20 / 28 Days Compressive Strength
nce to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
f test	:	05/08/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Culvert Side Wall Concrete	M20	08/07/2021	05/08/2021	149.63 X 150.76 X 149.38	22558	8.030	521.6	23.1	22.8
Culvert Side Wall Concrete	M20	08/07/2021	05/08/2021	149.33 X 150.78 X 151.50	22515	8.175	496.3	22.0	
Culvert Side Wall Concrete	M20	08/07/2021	05/08/2021	151.64 X 150.73 X 151.77	22856	8.929	533.4	23.3	

:sults obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2021-08-26-43

Date: 10/08/2021

: "Development of Roads and Drains at Venkatala and Venkatala Janatha Colony in Ward No 01 of Yelahanka Sub Division"

ame : B P Mahesh, M/s Sri Sai Manjunatha Enterprises, #58, B P Linganna Building, Chandramowleshwara Layout, Hunasamaranahalli, Bangalore 562157

: BBMP/EE/YNK.D/EPMT-09/W.O/18/2021-22

's Reference : 05-08-21

eceipt : Cement Concrete Pavement (2nd A Cross Road)

ID : 150X150X150 mm

ype /Size : M30 / 7 Days Compressive Strength

rade/Age : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

e to BIS codes : 10/08/2021

st Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
ement Concrete Pavement	M30	03/08/2021	10/08/2021	150.02 X 151.73 X 151.45	22764	8.417	571.9	25.1	25.2
ement Concrete Pavement	M30	03/08/2021	10/08/2021	150.97 X 150.54 X 149.90	22727	8.939	592.5	26.1	
ement Concrete Pavement	M30	03/08/2021	10/08/2021	149.70 X 149.93 X 151.87	22445	8.840	547.3	24.4	

lts obtained are satisfactory as per standard requirements.

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